Course of Study Green Technologies: Energy, Water, Climate (Study Cohort w21)

mple course plan T. Pachalar Cr	on Tochno	Jagioc Eporgy Water C	imata (C	TDC)		Core Qualification Compuls	Compulsory Specialisation Compulsory Specialisation Elective Compulsory	Focus Compul Focus Elective		mplement
mple course plan T Bachelor Gre ecialisation Energy Technology	en recnno	logies: Energy, Water, Ci	imate (G	IBS)			simplify specialisation elective comparisory	Totas Elective		inpieriteite
Linear Algebra I C Linear Algebra I F Analysis I C Analysis I C Analysis I F	VL 2 Te GÜ 1 Te	echnical Thermodynamics I echnical Thermodynamics I echnical Thermodynamics I echnical Thermodynamics I	VL 2 HÜ 1 GÜ 1	Basics of Electrical Engineering Basics of Electrical Engineering Basics of Electrical Engineering	VL 3 GÜ 2	Fundamentals of Fluid Mechanics VL 2 Fundamentals of Fluid Mechanics VL 2 Fluid Mechanics for Process Engineering HŪ 2 Fundamentals on Fluid Mechanics GŪ 2	Heat and Mass Transfer Heat and Mass Transfer Heat and Mass Transfer Heat and Mass Transfer	VL 2 GÜ 1 HÜ 1	Mechanical Engineering: Design (part 2 Team Project Design Methodology Mechanical Design Project II Reciprocating Machinery (part 2) Internal Combustion Engines 1 Internal Combustion Engines 1	2) PBL PBL VL HÜ
General and Inorganic Chemistry General and Inorganic Chemistry Fundamentals in Inorganic Chemistry Fundamentals in Inorganic Chemistry	M	echanics II: Mechanics of Materials echanics II echanics II echanics II	VL 2 GÜ 2 HÜ 2	Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II Technical Thermodynamics II	VL 2 HÜ 1 GÜ 1	Sanitary Engineering I VL 2 Wastewater Disposal HŪ 1 Drinking Water Supply VL 2 Drinking Water Supply HŪ 1	Introduction to Control Systems Introduction to Control Systems Introduction to Control Systems	VL 2 GÜ 2	Bachelor Thesis	
Pundamentals in morganic Chemisury	M	athematics II near Algebra II near Algebra II	VL 2 GÜ 1	Mathematics III Analysis III Analysis III	VL 2 GŪ 1	Conventional Energy Systems and Energy Industry VL 1 Power Industry VL 2 Energy markets and energy trading VL 2	Economic and environmental project a Basics of Environmental Project Assessmen Case studies economic and environmental			
Mechanics I (Statics) Mechanics I Mechanics I Mechanics I Mechanics I Mechanics I	UL 2 Ar GÜ 2 Ar	nalysis II nalysis II	HÜ 1 VL 2 HÜ 1 GÜ 1	Analysis II Differential Equations 1 Differential Equations 1 Differential Equations 1	HÜ 1 VL 2 GÜ 1 HÜ 1	Fossil Energy Systems HÜ 1	project assessment Basics of economic project assement	VL 2		
9 0 Computer Science for Engineers - Introduct	ion and Oi	rganic Chemistry		Measurement Technology for Chemical an	d Bioprocess	Renewable Energies Renewable Energies I VL 2 Renewable Energies II VL 2 Renewable Energies I HŪ 1	Fundamentals of Materials Science (pa Fundamentals of Materials Science I Physical and Chemical Basics of Materials Science	rt 2) VL 2 VL 2		
Overview Computer Science for Engineers - Introduction and Overview Computer Science for Engineers - Introduction and Overview		rganic Chemistry rganic Chemistry	VL 4 PR 3	Engineering Measurement Technology Physical Fundamentals of Measurement Technology Practical Course Measurement Technology	VL 2 VL 2 PR 2	Renewable Energies II HŪ 1 Green Technologies II (part 2)	Mechanical Engineering: Design (part : Embodiment Design and 3D-CAD Introducti and Practical Training Mechanical Design Project I			
6						Practical Exercise Environmental Technology PR 1 Fundamentals of Mechanical Engineering Design	Numerical Mathematics I			
Green Technologies 1 Meteorology and Climate Systems - Introduction Introduction to Green Technologies Meteorology and Climate Systems - Introduction Meteorology and Climate Systems - Introduction 1	SE 2			Green Technologies II (part 1) Environmental Technologie Pollutant analysis	VL 2 VL 2	Fundamentals of Mechanical Engineering Design VL 2 Fundamentals of Mechanical Engineering Design HÜ 2	Numerical Mathematics I Numerical Mathematics I	VL 2 GÜ 2		
2 3						Fundamentals of Materials Science (part 1) Fundamentals of Materials Science II VL 2	Reciprocating Machinery (part 1) Fundamentals of Reciprocating Engines and Turbomachinery - Part Reciprocating Engine Fundamentals of Reciprocating Engines and	IS		

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.